



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Amarr Garage Doors
125 Carriage Court
Winston-Salem, NC 27105

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model 1200 Heritage 3000 & Oak Summit 3000 Steel Sectional Garage Door up to 16'-0" Wide with Impact Windows

APPROVAL DOCUMENT: Drawing No. IRC-1216-175-26-G, titled "Model #1200 Heritage & Oak Summit 3000 Short, Long, Flush and Oak Summit Panels", sheets 1 through 4 of 4, dated 11/11/2013, prepared by Amarr Garage Doors, signed and sealed by Tomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, 3800 Greenway Circle, Lawrence, Kansas, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMI-DADE COUNTY
APPROVED

[Signature]
07/21/2014

NOA No 14-0414.09
Expiration Date: July 31, 2019
Approval Date: July 31, 2014
Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **IRC-1216-175-26-G**, titled "Model #1200 Heritage & Oak Summit 3000 Short, Long, Flush and Oak Summit Panels", sheets 1 through 4 of 4, dated 11/11/2013, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS

1. Addendum to Test Report No. **ATLNC 0911.01-13** prepared by American Test Lab, Inc., dated 05/20/2014, signed and sealed by David W. Johnson, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Tensile Test per ASTM E8
5) Forced Entry Resistance Test per FBC, TAS 202-94
along with marked-up drawings and installation diagram of 16'x 7' 24 ga steel garage door Model 1200 Heritage 3000, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0911.01-13**, dated 12/17/2013, signed and sealed by David W. Johnson, P.E.
3. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654 & ASTM B117, prepared by Architectural Testing, Inc., Test Report No. **C5463.01-106-18**, dated 04/03/2013, signed and sealed by Gary T. Hartman, P.E. "*Submitted under NOA # 13-0503.06*"

C. CALCULATIONS

1. Anchor calculations prepared by Structural Solutions, P.A., dated 01/27/2014, signed and sealed by Thomas L. Shelmerdine, P.E.

D. QUALITY ASSURANCE

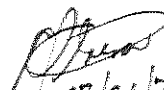
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Test report on Surface Burning Characteristics on the expanded polystyrene UL file # R11812.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC and no financial interest issued by Structural Solutions, P.A., dated 01/27/2014, signed and sealed by Tomas L. Shelmerdine, P.E.


07/21/2014

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 14-0414.09

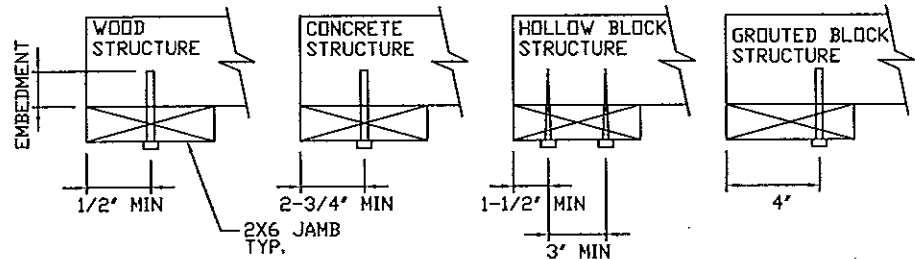
Expiration Date: July 31, 2019
Approval Date: July 31, 2014

WOOD JAMB ATTACHMENT TO STRUCTURE

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 12" O.C. (1 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 10" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 20" O.C. (2 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 12" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



13 GA. FLAG BRACKET ATTACHED TO WOOD JAMB W/ (3) 5/16 DIA. X 1-5/8" LAG BOLTS AND TO TRACK W/ (4) 1/4"-20 X 5/8" TRACK SPLICE BOLTS AND NUTS

SPLICE TRACKS AT THIS LOCATION W/ (4) 1/4"-20 TRACK SPLICE BOLTS & NUTS SECURE TO JAMB WITH (3) 5/16" DIA. X 1-5/8" LAG BOLTS

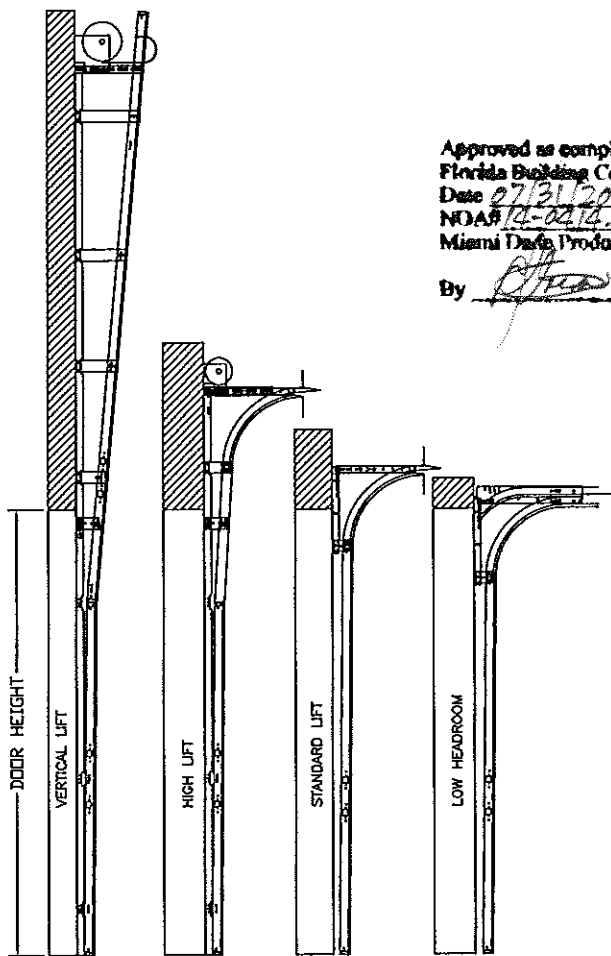
(1) 5/16" DIA. X 1-5/8" LAG BOLT ATTACHED TO JAMB AT EA. JAMB BRACKET

12 GA. GALV. STEEL JAMB BRACKETS ATTACHED W/ (1) 1/4"-20 X 5/8" TRACK SPLICE BOLT & NUT

SEE (TABLE 2) FOR JAMB BRACKET SPACING

STANDARD TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.

Approved as complying with the Florida Building Code
Date 07/31/2012
NOA 12-0012-09
Miami Dade Product Control
By [Signature]



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 16' x 14'
SIZES SUBJECT TO WEIGHT LIMITATIONS
DESIGN LOADS +48.0 PSF -52.0 PSF
LARGE MISSILE IMPACT RESISTANCE

Thomas L. Shelmerdine, PE (FL PE #0043579)
Structural Solutions, PA (FL Firm #29412)

FL

Thomas L. Shelmerdine
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER

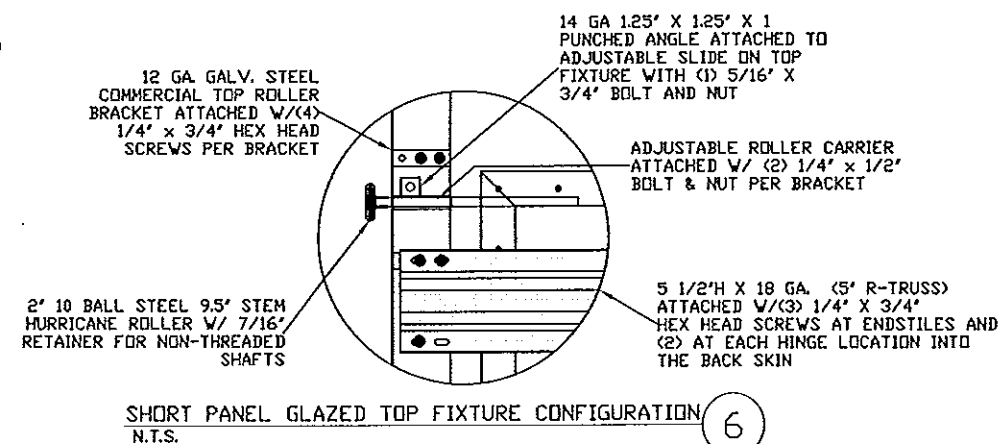
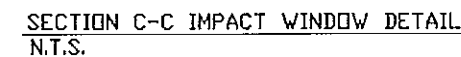
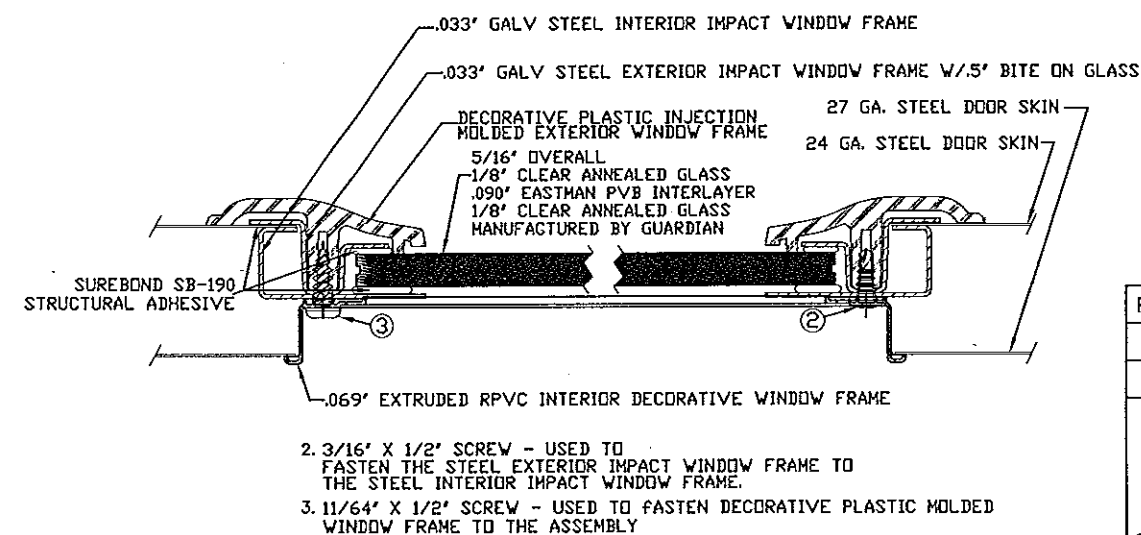
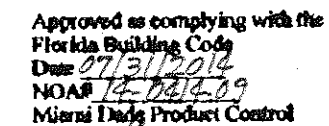
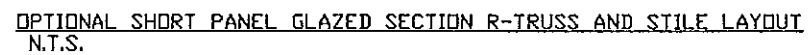
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr
165 CARRIAGE COURT WINSTON-SALEM, NC. 27105 WWW.AMARR.COM

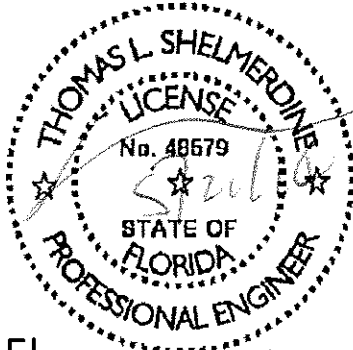
MODEL #1200 HERITAGE 3000
MODEL #1200 OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS


SIZE B	DRAWN BY RLR	DATE 11/11/13	DRAWING NUMBER IRC-1216-175-26-G
	CHECKED BY	DATE	

SHEET 2 OF 4



REV	DESCRIPTION OF REVISIONS		DATE	BY

<p>MAX SIZE 16' x 14'</p> <p>SIZES SUBJECT TO WEIGHT LIMITATIONS</p> <p>DESIGN LOADS +48.0 PSF -52.0 PSF</p> <p>LARGE MISSILE IMPACT RESISTANCE</p>	<p>Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #294132)</p> <div style="text-align: center;">  <p>FL</p> </div> <p>dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410</p>
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<p>MODEL #1200 HERITAGE 3000</p> <p>MODEL #1200 OAK SUMMIT 3000</p> <p>SHORT, LONG, FLUSH & OAK SUMMIT PANELS</p>			
SIZE	DRAWN BY	RLR	DATE 11/11/13
B	CHICKED BY		DATE
<p>DRAWING NUMBER IRC-1216-175-26-C</p> <p>SHEET 3 OF 4</p>			

TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 2

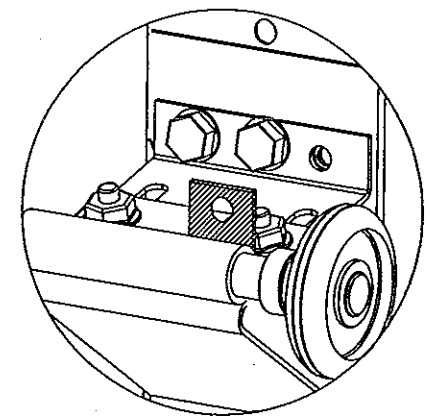
DOOR HEIGHT	TRACK ATTACHMENT														SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
6' 6"	3"	14"	27"	38"	46"	56"	64"								70"
7'	3"	14"	27"	38"	46"	56"	68"								76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"							82"
8'	3"	14"	27"	38"	46"	56"	68"	78"							88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"						94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"						100"
9' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"					106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				112"
10' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				124"
11' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"			130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"			136"
12' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"		142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"		148"
13' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"	154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"	160"

ALL TRACK ATTACHMENT SPACING +/-2" ALLOWED WITH SYP NO. 2 OR BETTER ONLY

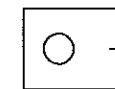
TABLE 3

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)			
		1st (in)	2st (in)	3rd (in)	4th (in)
09' 2"	Short	55.00			
09' 2"	Long	55.00			
09' 2"	Oak Summit	55.00			
09' 4"	Short	56.00			
09' 4"	Long	56.00			
09' 4"	Oak Summit	56.00			
09' 6"	Short	57.00			
09' 6"	Long	57.00			
09' 6"	Oak Summit	57.00			
09' 8"	Short	58.00			
09' 8"	Long	58.00			
09' 8"	Oak Summit	58.00			
09' 10"	Short	59.00			
09' 10"	Long	59.00			
09' 10"	Oak Summit	59.00			
10' 0"	Short	48.41	71.59		
10' 0"	Long	60.00			
10' 0"	Oak Summit	60.00			
10' 2"	Short	49.32	72.68		
10' 2"	Long	61.00			
10' 2"	Oak Summit	61.00			
10' 4"	Short	50.23	73.68		
10' 4"	Long	62.00			
10' 4"	Oak Summit	62.00			
10' 6"	Short	50.84	75.17		
10' 6"	Long	63.00			
10' 6"	Oak Summit	63.00			
10' 8"	Short	51.84	76.17		
10' 8"	Long	64.00			
10' 8"	Oak Summit	64.00			
10' 10"	Short	52.50	77.50		
11' 0"	Short	53.50	78.50		
11' 0"	Long	44.41	87.59		
11' 2"	Short	54.20	79.80		
11' 2"	Long	45.30	88.70		
11' 4"	Short	55.20	80.80		
11' 4"	Long	46.30	89.70		
11' 6"	Short	56.20	81.80		
11' 6"	Long	47.30	90.70		
11' 8"	Short	57.20	82.80		
11' 8"	Long	47.63	92.38		
11' 10"	Short	47.81	94.19		
11' 10"	Long	48.30	93.70		
12' 0"	Short	48.81	95.19		
12' 0"	Long	49.63	94.38		
12' 0"	Oak Summit	48.31	95.69		
12' 2"	Short	49.64	96.36		
12' 2"	Long	50.08	95.92		
12' 2"	Oak Summit	49.06	96.94		
12' 4"	Short	50.64	97.36		
12' 4"	Long	51.08	96.92		
12' 4"	Oak Summit	49.81	98.19		
12' 6"	Short	50.67	99.33		
12' 6"	Long	51.17	98.83		
12' 6"	Oak Summit	50.56	99.44		
12' 8"	Short	51.67	100.33		
12' 8"	Long	52.10	99.90		
12' 8"	Oak Summit	51.31	100.69		
12' 10"	Short	52.25	101.75		
12' 10"	Long	53.10	100.90		
12' 10"	Oak Summit	52.06	101.94		

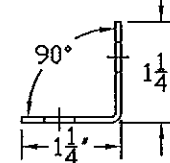
Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)			
		1st (in)	2st (in)	3rd (in)	4th (in)
13' 0"	Short	53.00	103.00		
13' 0"	Long	54.10	101.90		
13' 0"	Oak Summit	52.81	103.19		
13' 2"	Short	54.00	104.00		
13' 2"	Long	55.10	102.90		
13' 2"	Oak Summit	53.56	104.44		
13' 4"	Short	54.40	105.60		
13' 4"	Long	54.90	105.10		
13' 4"	Oak Summit	54.31	105.69		
13' 6"	Short	55.40	106.60		
13' 6"	Long	55.90	106.10		
13' 6"	Oak Summit	55.06	106.94		
13' 8"	Short	56.40	107.60		
13' 8"	Long	56.63	107.38		
13' 8"	Oak Summit	55.81	108.19		
13' 10"	Short	57.16	108.94		
13' 10"	Long	57.17	108.83		
13' 10"	Oak Summit	56.56	109.44		
14' 0"	Short	57.76	110.11		
14' 0"	Long	58.63	109.38		
14' 0"	Oak Summit	57.31	110.69		
14' 2"	Short	58.85	111.41		
14' 2"	Long	59.17	110.83		
14' 2"	Oak Summit	58.06	111.94		
14' 4"	Short	59.16	112.71		
14' 4"	Long	60.17	111.83		
14' 4"	Oak Summit	58.81	113.19		
14' 6"	Short	59.86	114.01		
14' 6"	Long	61.17	112.83		
14' 6"	Oak Summit	59.56	114.44		
14' 8"	Short	60.56	115.31		
14' 8"	Long	44.81	131.19		
14' 10"	Short	61.26	116.61		
14' 10"	Long	45.60	132.40		
15' 0"	Short	61.94	117.94		
15' 0"	Long	46.60	133.40		
15' 2"	Short	62.66	119.21		
15' 2"	Long	47.60	134.40		
15' 4"	Short	63.60	120.80	130.40	
15' 4"	Long	47.25	136.75		
15' 6"	Short	48.62	139.38		
15' 6"	Long	47.60	138.40		
15' 6"	Oak Summit	47.42	138.58		
15' 8"	Short	47.62	140.38		
15' 8"	Long	48.60	139.40		
15' 8"	Oak Summit	48.02	139.98		
15' 10"	Short	48.62	141.38		
15' 10"	Long	49.17	140.83		
15' 10"	Oak Summit	48.62	141.38		
16' 0"	Short	49.62	142.38		
16' 0"	Long	50.60	141.40		
16' 0"	Oak Summit	48.42	143.58		

TOP FIXTURE REINFORCEMENT
ILLUSTRATION

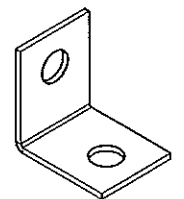
TOP FIXTURE ADDER PIECE



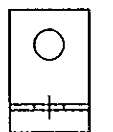
TOP VIEW



END VIEW



ISOMETRIC VIEW



SIDE VIEW

Approved as complying with the
Florida Building Code
Date 07/31/2014
NOA# 14-0414-09
Merial Davis Product Control
By *[Signature]*

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

SIZES SUBJECT
TO WEIGHT
LIMITATIONS

DESIGN LOADS
+48.0 PSF
-52.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

THOMAS L. SHELDERDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

Thomas L. Shelderdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

165 CARRIAGE COURT WINSTON-SALEM, NC. 27105 WWW.AMARR.COM

MODEL #1200 HERITAGE 3000
MODEL #1200 OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	11/11/13	DRAWING NUMBER IRC-1216-175-26-G
B	CHECKED BY	DATE			

SHEET 4 OF 4